

**Abstract**

5 A bus compression apparatus for compressing data is  
provided to suppress an EMI signal and to simplify a data  
bus structure. In the apparatus, the voltage levels of  
the digital output signals are summed in accordance with  
the resistance values of the data compression circuit to  
produce a compressed analog signal. The compressed analog  
signal is transmitted through a bus lines to a data  
decompressor which reproduces the digital data in response  
10 to the voltage levels of the compressed analog signal.